

**Day in the Life of the Hudson River 10/20/15 Data**

**RIVER MILE 3.5**

**Pier 66, Frying Pan,**

**Stephany Arcentales– Avenues: The World School –123 2<sup>nd</sup> graders and 12 adults**

**Location:** Mother’s Lap, Croton Park NY

**Area:** Rocky beach surrounded by rising forested land and small yard and driveway

**Surrounding Land Use:** Forested 70%, Beach 30%

**Sampling Site:** Beach area with with raprap @ north end, collected wood debris in area

**River Bottom** – sandy/rocky bottom

<i>ITEM</i>	<i>Time</i>	<i>Reading 1</i>		<i>Comments</i>
<i>Physical</i>				
<b>Air Temperature</b>	PM	70 °F in shade 80 °F in sun		
<b>Wind Speed</b>	<b>Time</b>	<b>Beaufort #0</b>		
Cloud Cover	clear			
Weather today	Clear			
Weather recently	Cold			
<i>Water Temperature</i>	AM	52 ° F		
<i>Water</i>	Calm			
<i>Chemical</i>	<i>TIME</i>	<i>Reading</i>		
<b>DO</b>	AM	8.0 ppm		
<b>pH</b>	AM	6		
<b>Salinity -</b>	AM -	Reported at 9.0 ppt *	*too low – must be error	
<b>Sediment Core</b>	<b>Comment</b>	<b>Abundant</b>	<b>Common</b>	<b>Rare</b>
	Lighter color on top with an oil texture	Sand	Mud	Clay Gravel
<b>Fish –</b>	<b>AM</b>	<b>PM</b>	<b>Species</b>	
	25	50	Atlantic Silversides	
	1	0	Bay Anchovy	
	15	0	Alewife	
	3	0	Northern Pipefish	
	3	5	Striped Bass	
	1	0	Hog Choker	
	2	4	White Perch	
<b>Total Fish</b>	<b>50</b>	<b>59</b>	<b>Diversity 7</b>	
<b>Macroinvertebrates</b>	0	3	Blue Crab	
<b>Total Macro 3</b>			<b>Diversity 1</b>	